Hose Clamp Gauge

A hose clamp gauge allows you to quickly determine the diameter of hose clamps.

Hose clamps are mechanical fasteners made of ring-shaped metal bands (approx. 0.6 mm) with a pronounced notch (in the case of so-called ear clamps). They are used for permanently fixing hose ends to fittings (so-called hose barbs).

Securing a single-ear clamp to a braided hose and nozzle using clamping pliers

Due to the width of the hose clamps (5-7 mm), the lettering on the stamped numbers indicating the size is approximately 1 mm high. This makes the information difficult to read, leading to delays during assembly. Furthermore, the sizes of the hose clamps sometimes differ by tenths of a millimeter, making it impossible to determine the size by touch.

1-ear clamp, inner diameter: 9.6mm

The measuring gauge for hose clamps is a trapezoidal ruler with a continuous reduction in width along its length and a descending scale for the different sizes of hose clamps.
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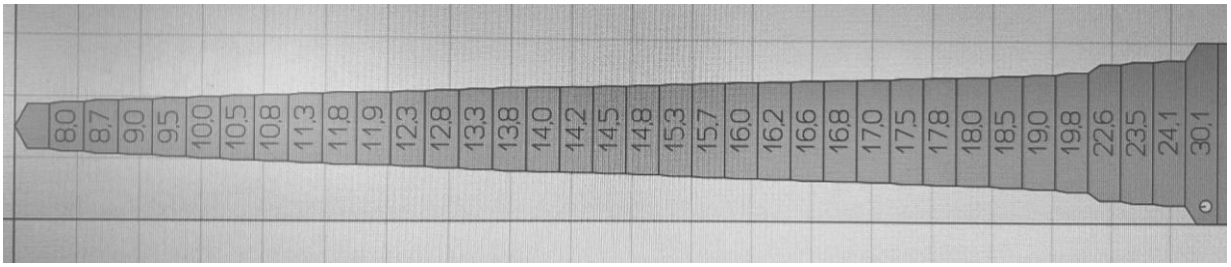


Design for 10x10mm gauges

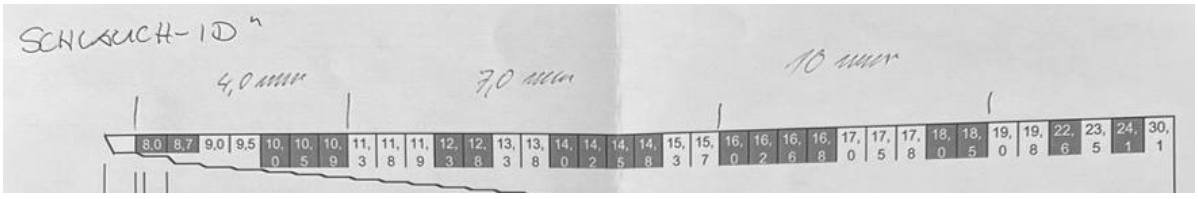
Each of the widths corresponds to the defined diameters of the hose clamps and has its own measuring range in which the associated 4mm high marking is easily readable.

To determine the diameter, the hose clamp is slid onto the gauge and not advanced further. The marking in this area indicates the size of the hose clamp.

This allows the diameter of the attached hose clamp to be determined more quickly, simplifying the selection of the required hose clamp.

Illustration of a single-ear clamp mounted on a gauge, measuring 12.8 mm.

To ensure the clamp can be matched to a hose with the appropriate inner diameter, the gauge also features a scale for orientation.



Sketch showing the correlation between hose inner diameters and the sizes on the measuring gauge.